

Martin
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1632

10-1-01

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/242,977

DATE: 02/04/2000
TIME: 02:02:36

INPUT SET: S34634.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Wilson, James M.
Fisher, Krishna J.

(ii) TITLE OF INVENTION: Method for Recombinant Adeno-Associated
Virus-Directed Gene Therapy

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Howson and Howson
(B) STREET: Spring House Corporate Cntr, PO Box 457
(C) CITY: Spring House
(D) STATE: Pennsylvania
(E) COUNTRY: USA
(F) ZIP: 19477

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/708,188
(B) FILING DATE: 06-SEP-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/729,061
(B) FILING DATE: 10-OCT-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Kodroff, Cathy A.
(B) REGISTRATION NUMBER: 33,980
(C) REFERENCE/DOCKET NUMBER: GNVPN.019CIP2USA

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 215-540-9200

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(B) TELEFAX: 215-540-5818

47
48
49
5051 (2) INFORMATION FOR SEQ ID NO:1:
52

53 (i) SEQUENCE CHARACTERISTICS:

54 (A) LENGTH: 10398 base pairs
55 (B) TYPE: nucleic acid
56 (C) STRANDEDNESS: double
57 (D) TOPOLOGY: unknown
5859 (ii) MOLECULE TYPE: cDNA
60
6162
63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
64

65	GAATTCGCTA GCATCATCAA TAATATACCT TATTTTGGAT TGAAGCCAAT ATGATAATGA	60
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67	GGGGGTGGAG TTTGTGACGT GGCGCGGGGC GTGGGAACGG GGCGGGTGAC GTAGTAGTGT	120
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69	GGCGGAAGTG TGATGTTGCA AGTGTGGCGG AACACATGTA AGCGACGGAT GTGGCAAAAG	180
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71	TGACGTTTTT GGTGTGCGCC GGTGTACACA GGAAGTGACA ATTTTCGCGC GGTTTTAGGC	240
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73	GGATGTTGTA GTAAATTTGG GCGTAACCGA GTAAGATTTG GCCATTTTCG CGGGAAAAC	300
74		
75	GAATAAGAGG AAGTGAAATC TGAATAATTT TGTGTTACTC ATAGCGCGTA ATATTTGTCT	360
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81	ACTCCATCAC TAGGGGTTCC TTGTAGTTAA TGATTAACCC GCCATGCTAC TTATCTACAA	540
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149	AGCCGTTGCT	GATTCGAGGC	GTTAACCGTC	ACGAGCATCA	TCCTCTGCAT	GGTCAGGTCA	2580
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151	TGGATGAGCA	GACGATGGTG	CAGGATATCC	TGCTGATGAA	GCAGAACAAC	TTTAACGCCG	2640
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159	ATCGTAATCA CCCGAGTGTG ATCATCTGGT CGCTGGGGAA TGAATCAGGC CACGGCGCTA	2880
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167	CTGGAGAGAC GCGCCCGCTG ATCCTTTGCG AATACGCCCA CGCGATGGGT AACAGTCTTG	3120
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171	TCTGGGACTG GGTGGATCAG TCGCTGATTA AATATGATGA AAACGGCAAC CCGTGGTCGG	3240
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187	GTGTGACGCT CCCC GCCG TCCCACGCCA TCCCGCATCT GACCACCAGC GAAATGGATT	3720
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189	TTTGCATCGA GCTGGGTAAT AAGCGTTGGC AATTTAACCG CCAGTCAGGC TTTCTTTCAC	3780
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193	CACCGCTGGA TAACGACATT GCGTAAGTG AAGCGACCCG CATTGACCCT AACGCCTGGG	3900
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195	TCGAACGCTG GAAGGCGGCG GGCCATTACC AGGCCGAAGC AGCGTTGTTG CAGTGCACGG	3960
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197	CAGATACACT TGCTGATGCG GTGCTGATTA CGACCGCTCA CGCGTGGCAG CATCAGGGGA	4020
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199	AAACCTTATT TATCAGCCGG AAAACCTACC GGATTGATGG TAGTGGTCAA ATGGCGATTA	4080
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201	CCGTTGATGT TGAAGTGGCG AGCGATACAC CGCATCCGGC GCGGATTGGC CTGAACTGCC	4140
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203	AGCTGGCGCA GGTAGCAGAG CGGGTAAACT GGCTCGGATT AGGGCCGCAA GAAAACCTATC	4200
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205	CCGACCGCCT TACTGCCGCC TGTTTTGACC GCTGGGATCT GCCATTGTCA GACATGTATA	4260

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Line	Seq1	Seq2	Seq3	Seq4	Seq5	Seq6	Seq7	Seq8	Seq9	Seq10	Seq11	Seq12	Seq13	Seq14	Seq15	Seq16	Seq17	Seq18	Seq19	Seq20	Seq21	Seq22	Seq23	Seq24	Seq25	Seq26	Seq27	Seq28	Seq29	Seq30	Seq31	Seq32	Seq33	Seq34	Seq35	Seq36	Seq37	Seq38	Seq39	Seq40	Seq41	Seq42	Seq43	Seq44	Seq45	Seq46	Seq47	Seq48	Seq49	Seq50	Seq51	Seq52	Seq53	Seq54	Seq55	Seq56	Seq57	Seq58	Seq59	Seq60	Seq61	Seq62	Seq63	Seq64	Seq65	Seq66	Seq67	Seq68	Seq69	Seq70	Seq71	Seq72	Seq73	Seq74	Seq75	Seq76	Seq77	Seq78	Seq79	Seq80	Seq81	Seq82	Seq83	Seq84	Seq85	Seq86	Seq87	Seq88	Seq89	Seq90	Seq91	Seq92	Seq93	Seq94	Seq95	Seq96	Seq97	Seq98	Seq99	Seq100	Seq101	Seq102	Seq103	Seq104	Seq105	Seq106	Seq107	Seq108	Seq109	Seq110	Seq111	Seq112	Seq113	Seq114	Seq115	Seq116	Seq117	Seq118	Seq119	Seq120	Seq121	Seq122	Seq123	Seq124	Seq125	Seq126	Seq127	Seq128	Seq129	Seq130	Seq131	Seq132	Seq133	Seq134	Seq135	Seq136	Seq137	Seq138	Seq139	Seq140	Seq141	Seq142	Seq143	Seq144	Seq145	Seq146	Seq147	Seq148	Seq149	Seq150	Seq151	Seq152	Seq153	Seq154	Seq155	Seq156	Seq157	Seq158	Seq159	Seq160	Seq161	Seq162	Seq163	Seq164	Seq165	Seq166	Seq167	Seq168	Seq169	Seq170	Seq171	Seq172	Seq173	Seq174	Seq175	Seq176	Seq177	Seq178	Seq179	Seq180	Seq181	Seq182	Seq183	Seq184	Seq185	Seq186	Seq187	Seq188	Seq189	Seq190	Seq191	Seq192	Seq193	Seq194	Seq195	Seq196	Seq197	Seq198	Seq199	Seq200	Seq201	Seq202	Seq203	Seq204	Seq205	Seq206	Seq207	Seq208	Seq209	Seq210	Seq211	Seq212	Seq213	Seq214	Seq215	Seq216	Seq217	Seq218	Seq219	Seq220	Seq221	Seq222	Seq223	Seq224	Seq225	Seq226	Seq227	Seq228	Seq229	Seq230	Seq231	Seq232	Seq233	Seq234	Seq235	Seq236	Seq237	Seq238	Seq239	Seq240	Seq241	Seq242	Seq243	Seq244	Seq245	Seq246	Seq247	Seq248	Seq249	Seq250	Seq251	Seq252	Seq253	Seq254	Seq255	Seq256	Seq257	Seq258	Seq259	Seq260	Seq261	Seq262	Seq263	Seq264	Seq265	Seq266	Seq267	Seq268	Seq269	Seq270	Seq271	Seq272	Seq273	Seq274	Seq275	Seq276	Seq277	Seq278	Seq279	Seq280	Seq281	Seq282	Seq283	Seq284	Seq285	Seq286	Seq287	Seq288	Seq289	Seq290	Seq291	Seq292	Seq293	Seq294	Seq295	Seq296	Seq297	Seq298	Seq299	Seq300	Seq301	Seq302	Seq303	Seq304	Seq305	Seq306	Seq307	Seq308	Seq309	Seq310	Seq311	Seq312	Seq313	Seq314	Seq315	Seq316	Seq317	Seq318	Seq319	Seq320	Seq321	Seq322	Seq323	Seq324	Seq325	Seq326	Seq327	Seq328	Seq329	Seq330	Seq331	Seq332	Seq333	Seq334	Seq335	Seq336	Seq337	Seq338	Seq339	Seq340	Seq341	Seq342	Seq343	Seq344	Seq345	Seq346	Seq347	Seq348	Seq349	Seq350	Seq351	Seq352	Seq353	Seq354	Seq355	Seq356	Seq357	Seq358	Seq359	Seq360	Seq361	Seq362	Seq363	Seq364	Seq365	Seq366	Seq367	Seq368	Seq369	Seq370	Seq371	Seq372	Seq373	Seq374	Seq375	Seq376	Seq377	Seq378	Seq379	Seq380	Seq381	Seq382	Seq383	Seq384	Seq385	Seq386	Seq387	Seq388	Seq389	Seq390	Seq391	Seq392	Seq393	Seq394	Seq395	Seq396	Seq397	Seq398	Seq399	Seq400	Seq401	Seq402	Seq403	Seq404	Seq405	Seq406	Seq407	Seq408	Seq409	Seq410	Seq411	Seq412	Seq413	Seq414	Seq415	Seq416	Seq417	Seq418	Seq41
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Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US